BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATARAYANAPURA DIVISION

BYATARAYANAPURA SUB DIVISOIN

Name of the Work : **Construction of Culverts and Improvements to drain at in Ward No.05 Byatarayanapura Sub Division**

Estimated Cost : 35.00 Lakhs

Bruhat Bangalore Mahanagara Palike

Name of works: Construction of Culverts and Improvements to drain at in Ward No.05 Byatarayanapura Sub Division

Sl No	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
	Civil Work								
1	KSRRB300-1. **Earthwork excavation by manual means** for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications.(I.NO 19.1,Page no 143 SR 2018-19)								
	Basic rate	130.00							
	Area Weightage 6%	7.80							
	Loading and Unloading & Lead,8KM, (57+ 2*1.28*8)	77.48							
	Total	**215.28**							
		Cum							
	For DRAIN Desilt								
	Srirampura Main Road		1	279.00	0.90	0.74	185.81		
	For RCC Drain								
	Srirampura Main Road		1	240.00	1.10	1.20	316.80		
	RCC Culvert								
			3	6.00	1.50	1.00	27.00		
							529.61	**215.28**	**114015.30**
2	KSRRB M2100-10. Providing and laying **Plain cement concrete of mix 1:3:6** with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18)								
	Basic Rate	5115.00							
	4.4*55.47	244.07							
	Sub total	5359.07							
	6% Area weightage	321.54							
	Total	**5680.61**							
		Cum							
	For RCC Drain								
	Srirampura Main Road		1	240.00	1.10	0.15	39.60		
	RCC Culvert								
			3	6.00	1.50	0.15	4.05		
							43.65	**5680.61**	**247958.72**
3	KSRRB M2200-6. Providing **TMT Bars Fe 500 steel reinforcement** for R.C.C. work including straightening, cutting, bending, hooking, placing in postion, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification.(I.NO 28.8.2 Page no 229, SR 2018-19)								
	Basic Rate	75610.00							
	Area Weightage 6%	4536.60							
		80146.60							

	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
		Tn							
	Consider 60kg/cum for drain		1	86.40		0.06	5.18		
	Consider 40kg/cum for Coping		1	16.74		0.04	0.67		
	Consider 90kg/cum for culvert		1	8.46		0.09	0.76		
							6.62	**80146.60**	**530169.76**
4	Providing and laying plain/reinforced cement concrete for side drains using **M20 nominal mix concrete with OPC at 300 kgs.** With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification. (P.No.271, I.No.37.59.2 of PW, P&IWTD S.R 2018-19)								
	Basic rate	6670.00							
	6*55.47	332.82							
	Sub total	7002.82							
	6% Area weightage	420.17							
	Total	**7422.99**							
		Cum							
	For RCC DRAIN Raft								
	Srirampura Main Road		1	240.00	0.90	0.15	32.40		
	For RCC DRAIN Wall								
	Srirampura Main Road		2	240.00	0.15	0.75	54.00		
	For RCC DRAIN Coping								
	Srirampura Main Road		2	279.00	0.15	0.20	16.74		
							103.14		
	RCC Culvert Raft								
			3	6.00	1.20	0.20	4.32		
	RCC Culvert Wall								
			6	6.00	0.23	0.50	4.14		
							8.46		
							111.60	**7422.99**	**828405.59**
5	Providing and Fixing **Pre cast covering Slab 100mm thick** made out of CC, jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge. (Data Rate)								
	Data rate	**2337.00**							
		Sqm							
	Pre Cast Covering Slab								
	Srirampura Main Road		1	240.00	0.90		216.00		
	Srirampura Main Road		1	279.00	1.20		334.80		
							550.80	**2337.00**	**1287219.60**

.o	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
6	Pr ding and fixing **RCC precast cover slab of 230mm thick** for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
	Data rate	**5418.00**							
		Sqm							
	RCC Culvert Covering Slab								
			3	6.00	1.20		21.60		
							21.60	**5418.00**	**117028.80**
								Total Construction Cost	**3124798.00**
								Towards GST 12%	**374976.00**
								Miscellaneous & Rounding Off	**226.00**
								Total	**3500000.00**

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019, issue rates dated 01-01-2021 and Data Rates

Assistant Engineer
Ward 05
BBMP Bangalore

Asst. Executive Engineer
Bytarayanapura Sub Division
BBMP Bangalore

Executive Engineer
Bytarayanapura Division
BBMP Bangalore

Administrative Approval
Accorded For 35.00 Lakhs only
Head of A/C P3726
CER NO : 82 Dt:13/12/2021

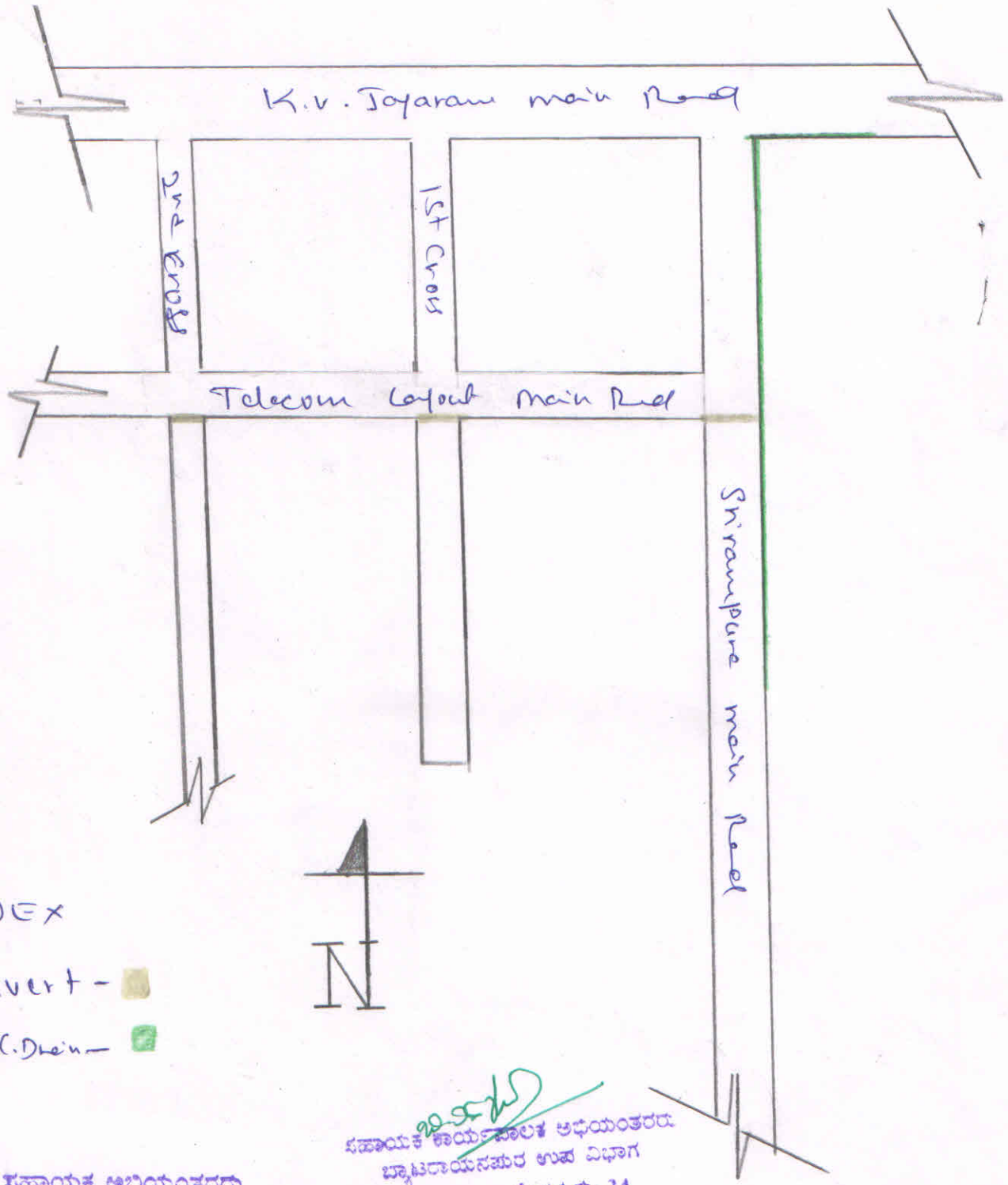
TA

CE (YNK),

Technical Sanction
Accorded For 35.00 Lakhs only
Head of A/C P3726
CER NO : 80 Dt:13/12/21

TA

Name of Work: Construction of Culverts and Improvements to drain at in Ward No.05 Byatarayanapura Sub Division



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ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
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